

### Time Dosing Simplex Control Panel (TD-AX)

The Time Dosing Simplex Panels will control and monitor a single phase submersible pump where there is a need for scheduled dosing and flow equalization in dewatering, sewage, and wastewater applications. All panels are UL Listed for the United States and Canada and come with a five-year warranty.

Model	FLA Range
TD-A1	(0.0-7.0 FLA)
TD-A2	(7.0-15.0 FLA)
TD-A3	(15.0-22.0 FLA)

#### Features:

- Indoor/Outdoor NEMA 4X rated enclosure: Heavy duty polycarbonate with stainless steel lockable latches
- Includes two floats with 20' cords: On, High Liquid
- Hand-off-auto (H.O.A.) toggle switch for manual pump control and green LED Pump Run light
- Control board with Power On and Auto (H.O.A. toggle position) LED indicators
- Programmable timer with separate variable controls allows for setting the on and off times from .05 second to 30 hours
- Alarm visible features: Red beacon alarm light
- Alarm horn sounds at 85 decibels at 10 feet
- Exterior alarm test/normal/silence switch
- Alarm automatically resets once alarm condition is cleared
- Raised terminal blocks for convenient field wiring
- UL listed for the United States and Canada
- Five-year limited warranty

#### Enclosure Mounting: TYPE 4X RATED

**Mounting Brackets** - A mounting bracket and screw pack are provided with the premium enclosures. To assemble, turn the enclosure upside down on a flat surface, place the mounting bracket over the square boss either horizontally or vertically, and fasten the mounting bracket with the 1/4"-20 x 0.5 SS, countersunk phillips drive screws or vertically, with the mounting brackets in any config., using any acceptable fastening technique.

**Covers/Doors** - Covers/doors have a gasket pre-assembled to seal against the base.

**Note:** The control panel should not be mounted in a location that may be subject to submersion.

#### Panel Installation:

1. Caution: To maintain the Type 4X rating, make all wiring connections with seal tight cable grips or conduit connections.
2. Run pump cables and floats cables through conduit. Make field connections as shown on wiring schematic.
3. Branch circuit protection to be provided by installer.
4. Panel circuit breakers are shipped in the closed position.
5. Ensure floats are properly mounted at the correct levels. **Note:** Floats shall have free range of motion without touching each other or other equipment.
6. Connect service conductors 120/208/240VAC to proper location.

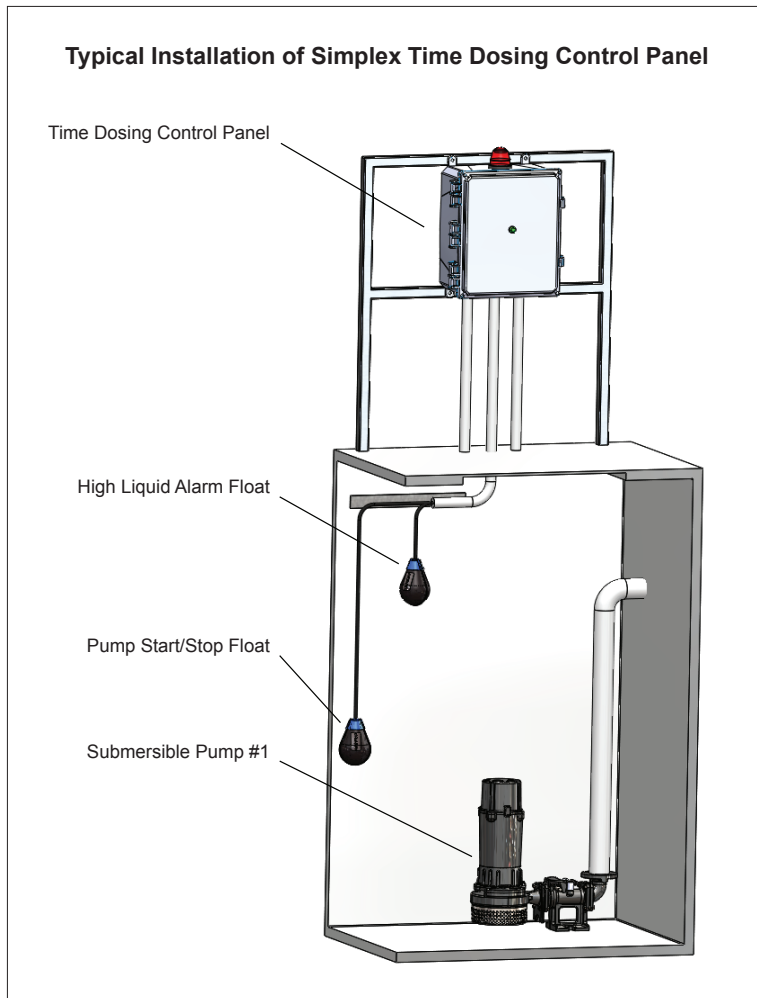


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### Sequence of Operation:

1. When the 'Stop/Start' float contact closes, and the on delay time has lapsed pump #1 will energize and the pump #1 run light will illuminate. Pump #1 will remain operational until the 'Stop/Start' float opens or the on delay time has lapsed.
2. If the level continues to rise, the 'High' float will alarm. This will illuminate the 360-degree visible beacon and sound an 85 decibel at 10' buzzer.



### Additional Panel Options:

- AF = Alarm Flasher
- C = Additional Cord Length Per Foot Per Component\*
- PX = Pump Portal® Wireless Remote Communication
- S3 = No Floats Option
- SS4 = Upgraded Enclosure (304 Stainless Steel)
- SS6 = Upgraded Enclosure (316 Stainless Steel)

\*Additional cord length greater than 20': Specify after C. Example: (TD-A1-C50). Indicates 50' cord lengths for all floats.

### Notes:

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### Troubleshooting:

*Caution: Before checking electrical connections within the control or attempting to replace any components, turn off all branch circuits supplying power to the main control panel.*

### Floats:

- Check floats for entanglement, full range of motion. Replace damaged floats.

### Warranty:

See Water, Inc. warrants that products of its manufacture are free from defects in material and workmanship for a period of 5 years from the date of purchase. This date shall be determined by the date on the invoice and the serial number on the product.

Replacement of the product is at the discretion of See Water, Inc. This warranty is valid when the product is installed in compliance with the manufacturer's installation instructions. The manufacturer's obligation under this warranty shall be limited to the repair or replacement of any parts found by the manufacturer to be defective, provided that the product is returned to See Water, Inc.'s factory, postage prepaid with proof of original purchase included.

The manufacturer of this warranty shall not be liable under this warranty if the product has not been properly installed; any alterations/additions/changes to the product will result in a void warranty. Failure to properly install and test this product can result in personal injury or equipment malfunction.

See Water, Inc. shall not be liable for any loss, damage or expenses from installation or use of its products.



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